jc498 U.S. PTO 04/22/99

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PTO/SB/05 (4/98)
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UTILITY PATENT APPLICATION TRANSMITTAL

(Only for new nonprovisional applications under 37 C.F.R. § 1.53(b))

Attorney Docket No.	
First Inventor or Application Identifier	Richard Arthur Halavais
Title	Seat Selection Ticket & Reservation System
Express Mail Label No.	

jc549 U.S. PTO 09/295517 04/22/99

APPLICATION ELEMENTS

See MPEP chapter 600 concerning utility patent application contents.

ADDRESS TO: Assistant Commissioner for Patents, Box Patent Application, Washington, DC 20231

1. [X] * Fee Transmittal Form *(e.g., PTO/SB/17)* *(Submit an original and a duplicate for fee processing)*
2. [X] Specification [*Total Pages* 14]
   (preferred arrangement set forth below)
   - Descriptive title of the Invention
   - Cross References to Related Applications
   - Statement Regarding Fed sponsored R & D
   - Reference to Microfiche Appendix
   - Background of the Invention
   - Brief Summary of the Invention
   - Brief Description of the Drawings *(if filed)*
   - Detailed Description
   - Claim(s)
   - Abstract of the Disclosure
3. [X] Drawing(s) *(35 U.S.C. 113)* [*Total Sheets* 28]
4. Oath or Declaration [*Total Pages* 3]
   a. [X] Newly executed (original or copy)
   b. [ ] Copy from a prior application (37 C.F.R. § 1.63(d)) *(for continuation/divisional with Box 16 completed)*
      i. [ ] DELETION OF INVENTOR(S) Signed statement attached deleting inventor(s) named in the prior application, see 37 C.F.R. §§ 1.63(d)(2) and 1.33(b).

**NOTE FOR ITEMS 1 & 13: IN ORDER TO BE ENTITLED TO PAY SMALL ENTITY FEES, A SMALL ENTITY STATEMENT IS REQUIRED (37 C.F.R. § 1.27), EXCEPT IF ONE FILED IN A PRIOR APPLICATION IS RELIED UPON (37 C.F.R. § 1.28).*

5. [ ] Microfiche Computer Program *(Appendix)*
6. Nucleotide and/or Amino Acid Sequence Submission *(if applicable, all necessary)*
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ACCOMPANYING APPLICATION PARTS

7. [ ] Assignment Papers (cover sheet & document(s))
8. [ ] 37 C.F.R.§3.73(b) Statement *(when there is an assignee)* [ ] Power of Attorney
9. [ ] English Translation Document *(if applicable)*
10. [X] Information Disclosure Statement (IDS)/PTO-1449 [ ] Copies of IDS Citations
11. [ ] Preliminary Amendment
12. [ ] Return Receipt Postcard (MPEP 503) *(Should be specifically itemized)*
13. [X] * Small Entity Statement(s) *(PTO/SB/09-12)* [ ] Statement filed in prior application, Status still proper and desired
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    Prior application information: Examiner _____ *Group / Art Unit:* _____
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17. CORRESPONDENCE ADDRESS

[ ] *Customer Number or Bar Code Label* *(Insert Customer No. or Attach bar code label here)* or [X] *Correspondence address below*

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Name (Print/Type)		*Registration No. (Attorney/Agent)*	
Signature		*Date*	

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STATEMENT CLAIMING SMALL ENTITY STATUS (37 CFR 1.9(f) & 1.27(b))--INDEPENDENT INVENTOR	Docket Number (Optional)

Applicant, Patentee, or Identifier: Richard Arthur Halavais

Application or Patent No.: _____

Filed or Issued: _____

Title: Individual Seat Selection Ticketing & Reservation System

As a below named inventor, I hereby state that I qualify as an independent inventor as defined in 37 CFR 1.9(c) for purposes of paying reduced fees to the Patent and Trademark Office described in:

- [ ] the specification filed herewith with title as listed above.
- [X] the application identified above.
- [ ] the patent identified above.

I have not assigned, granted, conveyed, or licensed, and am under no obligation under contract or law to assign, grant, convey, or license, any rights in the invention to any person who would not qualify as an independent inventor under 37 CFR 1.9(c) if that person had made the invention, or to any concern which would not qualify as a small business concern under 37 CFR 1.9(d) or a nonprofit organization under 37 CFR 1.9(e).

Each person, concern, or organization to which I have assigned, granted, conveyed, or licensed or am under an obligation under contract or law to assign, grant, convey, or license any rights in the invention is listed below:

- [X] No such person, concern, or organization exists.
- [ ] Each such person, concern, or organization is listed below.

Separate statements are required from each named person, concern, or organization having rights to the invention stating their status as small entities. (37 CFR 1.27)

I acknowledge the duty to file, in this application or patent, notification of any change in status resulting in loss of entitlement to small entity status prior to paying, or at the time of paying, the earliest of the issue fee or any maintenance fee due after the date on which status as a small entity is no longer appropriate. (37 CFR 1.28(b))

Richard Arthur Halavais	Tony C. Chung	
NAME OF INVENTOR	NAME OF INVENTOR	NAME OF INVENTOR
Signature of inventor	Signature of inventor	Signature of inventor
4/19/99	4/19/99	
Date	Date	Date

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Express Mail Label No. EV 325 957 525 US

Patent Application of

Richard A. Halavais and Tony C. Chung

for

TITLE: INDIVIDUAL SEAT SELECTION TICKETING AND RESERVATION SYSTEM

CROSS REFERENCE TO RELATED APPLICATIONS

Not applicable

BACKGROUND -- FIELD OF INVENTION

This invention relates to an electronic means by which people can select the exact seat or seats they want for any type of event or reserve an appointment for any activity such as a doctor or dentist appointment or even an appointment to have their car lubed. More specifically, a customer or a ticket re-seller or a venue operator can go, for example, to the internet and select the event or activity for which they want a ticket or tickets or reserve a time and reserve and order the exact seat or seats or the time of their choosing directly online. The seat or seats or reserved time they select is then removed from the inventory for that activity or event and made not available for any other buyer and such is so indicated by a graphical representation or other such indicator on the online

map or picture representing availability of seating or time for that event. For an appointment reservation, the user connects to the internet or other wide area network, such as a bulletin board, from his home of office computer and connects to a page that displays a reservation calendar where he can interact such as to reserve a specific time period for himself.

BACKGROUND OF THE INVENTION AND PRIOR ART

1. Field of the Invention

In accordance with the present invention a remote location ticketing and reservation system for any venue comprises an internet or network compatible computer program constructed generally to afford access to a database, or other record maintained in electronic form, containing information about all sold and unsold seating for any specific venue or event and means and method by which a remote user, through use of a computer terminal or other such device, may access said database or other record and receive at his location through any computer terminal or other such device information about which specific seats remain available and then through a computer mouse or keyboard or other such input device select a specific seat or seats for that specific event and reserve such for himself for use during said event.

2. Prior Art

The inadequacy and inefficiencies of present ticketing and reservation systems is recognized and addressed through this invention. The rapid growth of the internet now make it possible for anyone at his home or office to avail himself of the advantages of the instant invention through a simple internet or other wide area network connection.

Prior art makes a feeble attempt to address the inconvenience of ticket ordering. In U. S. patent 5,797,126 (1988), Helbling, et al., describes a series of individual kiosks in wireless communication with a central station where a visitor can locate events of interest, view an excerpt of scenes from that venue and purchase tickets. This falls far short of the instant invention since it still requires a user to physically visit a remote site to avail himself of the service. Additionally, said prior art makes extensive use of what is called "kiosks" implying that, unlike the instant invention, it is only from his specialized machines that such services may be rendered.

U.S. patent 4,974,252 describes a more interactive theater attendance system where patrons are permitted two way communications between themselves and a broadcast center but this is still far from the objectives of the instant invention and requires that persons be in attendance at the theater and, further, some attendant be present at the remote broadcast center. The instant invention is fully automated and, other than the normal monitoring of any application for a wide area network, requires no human attendance or intervention.

U.S. patent 3,427,438 describes a ticket vending system where sales of tickets can be recorded on a seating layout but, again falls far short of the instantaneous update and automatic operation of the instant invention. U.S. patent 5,333,257 allows for a view from a seat but that is now common for internet applications where a hyperlink to any graphic is routinely provided and ancillary to and even unnecessary to the instant invention. Other prior art does nothing to make ticket ordering or seating reservations more readily available and does nothing to improve the information flow to prospective customers so that they may make a more informed decision about attending any given event.

Consider the traveler who has planned a vacation in, say, New York City and wants tickets for some Broadway show. Presently he has either to phone ahead and accept some one else's definition of what constitutes "best available" or wait until he gets into town and seek out a scalper or reseller agency and he still isn't sure exactly what his seats offer.

Objects and Advantages

Accordingly, besides the objects and advantages of the remote location ticketing and reservation system described in my above patent, several objects and advantages of the present invention are:

(a) to always provide customers with a seat selection comprised of the total of the then best available seats for any given event;

(b) to make equally available to all customers all then available seats for any given event so that said customer may select for himself the seat or seats he wants for that event;

(c) to provide an alternative means to visiting the box office or a ticket reseller for a customer to select and reserve for himself the then best available seat or seats for any arena, stadium, theater, airline flight, or any other such venue where seating is available;

(d) to provide to a ticket sensitive venue operator better control over the seating and seat availability for the various events he offers;

(e) to provide to a ticket sensitive venue operator better accounting for his seating for the various events he offers;

(f) to provide to the general public a more cost effective means by which he may reserve and buy tickets for any given event;

(g) to provide to a venue operator a more cost effective means by which he may sell tickets for any given event;

(h) to provide to the general public an automated 24 hour a day, seven day a week means by which he may reserve and purchase the specific seats he want for an event;

(i) to provide to a venue operator an automated 24 hour a day, seven day a week means by which he may offer reservation and purchase of a seat or seats that are individually selectable by a customer;

(j) to permit the venue operator to avoid overbooking an event;

(k) to permit the venue operator to avoid underbooking an event;

(l) to permit a doctor or other professional for whom his time is a commodity to better schedule and regulate his time and interact with patients or others in the online environment;

(m) to provide to the general public a 24 hour a day, seven day a week means by which they may schedule appointments with doctors, dentists, automotive mechanics and the like with full knowledge that the appointment time they select is still available.

Further objects and advantages are to provide any venue operator the benefit of better control over his ticket inventory and sales such as to improve his profitability and the efficiency of his operation and to provide to the general ticket buying public better information and an easier means by which they may acquire their desired ticket or tickets for any event.

SUMMARY OF THE INVENTION

The ticketing and reservation system of the present invention, in one particular embodiment thereof, includes a computer program operating on a server for a wide area network (WAN), generally described by the flow chart of Figure 1 and the accompanying code example which implements the instant invention in practice:

First, when a user accesses the system means is provided to initialize the process and return to the user a menu from which he selects his venue of interest. This can be a selectable menu arranged by artist or date or time or specific theater or football team or baseball team or name or activity or any combination thereof such that the user is given sufficient information from which to make a decision. An example would be someone looking for the next event at a given theater at a time that starts at 7:00pm. One of many possible series of computer instructions to perform this function is:

< -.Send database query to retrieve all venues that are currently available in the system - >

< - Server receives and processes query - >

< - Query is looped until all available performances and venues are retrieved. - >

< - Markup Language engine converts result to display compatible format for output to client computer - >

< - Begin normal markup language here - >

< - Begin reservation process selecting the event date/time next to the desired venue ->

THEN, upon user submittal, the server initializes the process of returning to the user all available seats:

< -.Send database query to retrieve all seats that are currently available in the system for this event - >

< - Server receives and processes query - >

< - Query is looped until all available seats are retrieved. - >

< - markup language engine converts result to markup language format for output to client computer - >

< - Begin normal markup language here - >

< - Continue reservation process by selecting the desire seat or seats ->

THEN, upon user submittal we create a new customer record in the Wide Area Network server and tell the system which database to connect to to fulfill the users request(s):

< - Send database command to insert new record in customer database and obtain record id - >

< - Send database command to insert new record in reservation "order" database and obtain record id - >

< - Send database command to insert new record for each selected seat in the reservation "detail" database - >

< - Begin normal markup language here - >

< - Continue reservation process by requesting client payment information - >

THEN, upon user submittal the information is passed for verification:

< - Submit client information for verification - >

< - if verification is successful, send database command to update customer record in customer database with information previously collected - >

< - if verification is successful, send database command to update reservation record in reservation "order" database with verification information - >

< - if verification is successful, send database command to remove selected seats from seat inventory database and marked as no longer available for future selection - >

< - Markup language engine converts result to markup language format for output to client computer - >

< - Begin normal markup language here - >

< - If verification is successful, confirmation is generated via Markup language engine to markup language format for output to client computer - >

< - if verification is unsuccessful, a failure notice is generated via Markup language engine to markup language format for output to client computer - >

< - if verification is unsuccessful, client is presented with option to provide his payment information again or abandon his reservation - >

While this is one preferred form of the code there are many other code sequences that will perform the same function that will be immediately obvious to one skilled in the art.

BRIEF DESCRIPTION OF THE DRAWINGS

The aforementioned objects and advantages of the present invention as well as additional objects and advantages thereof will be more fully understood hereinafter as a result of a detailed

description of a preferred embodiment when taken in conjunction with the following drawings in which:

FIG 1 is a block diagram of the present invention illustrating the major components thereof and the interactivity that takes place between the potential customer and the instant invention.

FIG 2 is an illustration of the concept of the present invention utilizing the internet as the Wide Area Network to which users connect to perform the desired function and shows an example of a remotely located user accessing the functionality of the instant invention for purposes of reserving seats for a dinner theater performance in a distant city.

FIG 3 is a illustration of the concept of the present invention refined down to the functionality of reserving specific seats and blocking from duplicate sale those seat that are already reserved.

Figure 4 is a sample of the screens seen by a remote user of the instant invention during a session wherein he selects and orders 4 specific seats for a distant dinner theater show.

Figure 5 is a complete code set for one preferred embodiment of the present invention.

DETAILED DESCRIPTION OF PREFERRED EMBODIMENT

Referring to FIG 1, it will be seen that the operator of a venue implements the instant invention for purposes of allowing remotely located users to reserve specific seating for specific events **1**. By doing so, he initiates those certain actions necessary to displaying an internet web site to all online users **2**. A prospective customer for the venues offering(s) logs onto the internet **3** and acquires the aforesaid internet web site **4** which implements the instant invention. He can be connected to the internet by any conventional means yet this by no means implies that the wide area network must be what is commonly referred to as the "internet." Upon first contact by the prospective customer, an inquiry is directed to the appropriate database, which may be located concurrent with the primary server hosting the program for the instant invention or may be located remotely, such as at the physical location of the venue, asking for a return of information to the prospective customer of all appropriate information contained therein relative to his inquiry **5**. The prospective customer indicates his desired seat or seats through conventional computer input means and directs that information back to the server hosting the code necessary to the implementation of the instant invention **6**. Upon contact **7** the server again makes an appropriate

database query and returns to the prospective customer all pertinent information relating to his selection, such as which seats are still available for the chosen performance, airline flight, boxing match, etc. The prospective customer is then presented with a representation of all then available seating for his selected venue **8**. From this representation, the prospective customer makes his selection of a seat or seats by indicating such through a mouse click, keyboard entry or other means, such as but not limited to a touch screen. Simultaneously, the server, through the coding necessary to implement the instant invention, creates a temporary customer identification **9** that is used to associate this potential customer with his later selections and permit system use by multiple simultaneous users. Once the customer has made his seat selection he is asked for payment information **10**. That information is processed through conventional internet or other electronic means and once the information and payment are verified **11a** the customer information, as supplied in **10**, is made permanent and the seat or seats he has selected are removed from inventory and blocked from duplicate sale, both graphically when presented to the next prospective customer and in the database where information for accounting and administrative purposes is retained. If the customer's payment information cannot be verified **11b** then he is given an opportunity to correct the information or start over with a new transaction. Upon verification of the customers payment information he receives a confirmation of the transaction **13** containing all appropriate reference information for his records.

Referring to FIG 2, it will be seen that, for example, a user in Houston **13** is planning to vacation in New York and wishes to see a play at a dinner theater there that utilizes the present invention for ticketing and reservations **15**. The user in Houston, or in any other location worldwide, connects to the internet in the conventional way and retrieves the appropriate web site through his graphical browser from a server located in, say, Anaheim, California **14**. Through implementation of the instant invention the user is able to see the exact seating arrangement of the remote dinner theater and select the exact seat or seats he wants for the performance of his choice. Such

additional information as is appropriate can be provided to the remote user to assist him in making an informed decision as to which seat or seats he wishes to occupy for this performance.

Referring to FIG 3, it will be seen that in view (a) of the user selected venue all seats at table P11 **17** and at table S14 **18** have been previously taken and are so indicated by the graphical representation of an "X" over those seats. Our potential customer wants to seat a party of four at table S1 **16** and so indicates by clicking his mouse on those four seats or by so indicating through alternative standard computer input means. Once his payment method is verified his selected seats are removed from inventory and so indicated on the graphical representation by placing an "X" over those seats **19** while retaining the "X" over those seats previously sold at table P11 **20** and table S14 **21**. The next prospective customer is advised that these seats are no longer available for this performance by the new graphical representation that is his first viewing screen upon entry into the system. In the event that two prospective customers wish to reserve the exact same seat or seats, that prospective customer who first receives validation of his payment method is given those seats while the other prospective customer is notified that while making his decision the seats he wants have already been sold and offers him a chance to select other seating

Referring to Figure 4, one will see the screens presented to a user when he accesses the system and as he progresses through the process of selecting a specific seat or seats then reserves and pays for them. Figure 4(a) is where the first screen presented shows links to available performances for that selected venue **22**. Figure 4(b) is the second screen **23** and shows a view of the seating available for that venue with seats that have already been taken crossed off with an "X" **24**. Our hypothetical user decides that he would like to have his party of four sit at table S11 **25** and selects the four seats around that table by clicking on them with his mouse. As he moves his mouse over individual seats the seat number appears in the window at the bottom of his screen **26** and when he clicks on a seat it is added to a running tally of the seats he has already taken **27**. Only seats have not previously been taken show up in the mouse-over window **26**. After completing his selections the user clicks on the "Reserve Seats" button and Figure 4(c) shows his

next screen which asks him for his payment information **28**. He enters the required information and again clicks the "Reserve Seats" button **29**. Figure 4(d) is the next screen and it tells him that his payment method has been accepted (or rejected) and relates information about the transaction **30** such as his transaction code and the receipt number that he can use as a ticket or as a voucher with which to redeem his ticket or tickets at the venue box office when he arrives for the performance. Finally, Figure 4(d) shows the opening screen the next visitor to the system is presented with the same set of screens except that the seats reserved by our hypothetical user **31** are marked off as already taken.

Referring to Figure 5, one will see one of many possible coding schemes making possible the results of the present invention.

Those having skill in the art to which the present invention pertains will now understand that there are virtually unlimited uses for the present invention. By way of example, the present invention may be readily used to reserve specific seats on commercial airliners or reserve specific staterooms on a cruise ship, as well as for reserving seats for any venue from community theater or little league baseball to major league sporting events.

The present invention has been described in sufficient detail to enable one skilled in the art to make and use the invention. Accordingly, specific details which are readily available in the art or otherwise conventional have been omitted to prevent obfuscation of the essential features of the invention.

In view of the foregoing it will be understood that the present invention may be implemented in a variety of alternative methods but that all such implementations are deemed to be within the scope of the present invention which is to be limited only by the claims appended hereto:

I claim:

1. A method of reserving space or time or reserving and buying tickets for attendance or seating at any event or activity comprising the steps of:

   (a) communicating on demand through a wide area network to any and all devices connected to said wide area network such information as is contained in a database populated with a

multiplicity of entries denoting availability of space for any venue wherein said space is needed or desired;

(b) displaying such information in a graphical or other fashion such that any end-user connected to said wide area network can view such as an informational aid in determining the best then available space or seating or time conforming to that users definition for any activity or event;

(c) providing through said device connected to said wide area network to any end user the capability of interactively selecting a time a space a seat or seating of his choice;

(d) providing through said device connected to said wide area network to any end user the capability of paying for the time or space or seating selection of his choice;

(e) returning through said device connected to said wide area network to any end user verification of the successful completion of his transaction such acting as a ticket or tickets or voucher for exchange for a ticket or tickets or confirmation upon arrival at the physical location of the activity or event for which space or time or ticketing was secured.

2. The method described in claim 1 wherein the space or time or seat or seating sought is for a theater or theater type setting.

3. The method described in claim 1 wherein the space or time or seat or seating sought is for a stadium or other such type setting.

4. The method described in claim 1 wherein the space or time or seat or seating sought is for an airplane or airliner.

5. The method described in claim 1 wherein the space or time or reservation sought is accommodations on a cruise ship.

6. The method described in claim 1 wherein the communication connection between the information server and the end user is a wire or cable or telephone line connection.

7. The method described in claim 2 wherein the communication connection between the information server and the end user is a wire or cable or telephone line connection.

8. The method described in claim 3 wherein the communication connection between the information server and the end user is a wire or cable or telephone line connection.

9. The method described in claim 4 wherein the communication connection between the information server and the end user is a wire or cable or telephone line connection.

10. The method described in claim 5 wherein the communication connection between the information server and the end user is a wire or cable or telephone line connection.
11. The method described in claim 1 wherein the communication connection between the information server and the end user is a satellite link.
12. The method described in claim 2 wherein the communication connection between the information server and the end user is a satellite link.
13. The method described in claim 3 wherein the communication connection between the information server and the end user is a satellite link.
14. The method described in claim 4 wherein the communication connection between the information server and the end user is a satellite link.
15. The method described in claim 5 wherein the communication connection between the information server and the end user is a satellite link.
16. The method described in claim 1 wherein the communication connection between the information server and the end user is wireless.
17. The method described in claim 2 wherein the communication connection between the information server and the end user is wireless.
18. The method described in claim 3 wherein the communication connection between the information server and the end user is wireless.
19. The method described in claim 4 wherein the communication connection between the information server and the end user is wireless.
20. The method described in claim 5 wherein the communication connection between the information server and the end user is wireless.
21. Means and methods by virtue of the computer coding and processing described herein for accounting for seats, seating and/or space such that the same seat, seating and/or space is not double sold for the same event.
22. Means and methods by virtue of the computer coding and processing described herein for managing the inventory of seats, seating and/or space such that the operator of any venue is always able to be made aware of unsold seats, seating and/or space.
23. A centralized database generated by the computer coding and processing described herein that is accessible by subscribed venue operators such as to provide them with a full and complete

Exhibit 2 Page 5 of 9

accounting of the status of all seats, seating and/or space included within the operating parameters of said system.

* * * * * * *

Document #: 0 5 0 5 0 5 2 Date Filed: 0 5 / 0 5 / 2 0 0 5

ABSTRACT

This invention relates to an electronic means by which people can select the exact seat or seats they want for any type of event or reserve an appointment for any activity such as a doctor or dentist appointment or even an appointment to have their car lubed. More specifically, a customer or a ticket re-seller or a venue operator can go, for example, to the internet and select the event or activity for which they want a ticket or tickets or reserve a time and reserve and order the exact seat or seats or the time of their choosing directly online. The seat or seats or reserved time they select is then removed from the inventory for that activity or event and made not available for any other buyer and such is so indicated by a graphical representation or other such indicator on the online map or picture representing availability of seating or time for that event. For an appointment reservation, the user connects to the internet or other wide area network, such as a bulletin board, from his home of office computer and connects to a page that displays a reservation calendar where he can interact such as to reserve a specific time period for himself.

09/05/2003

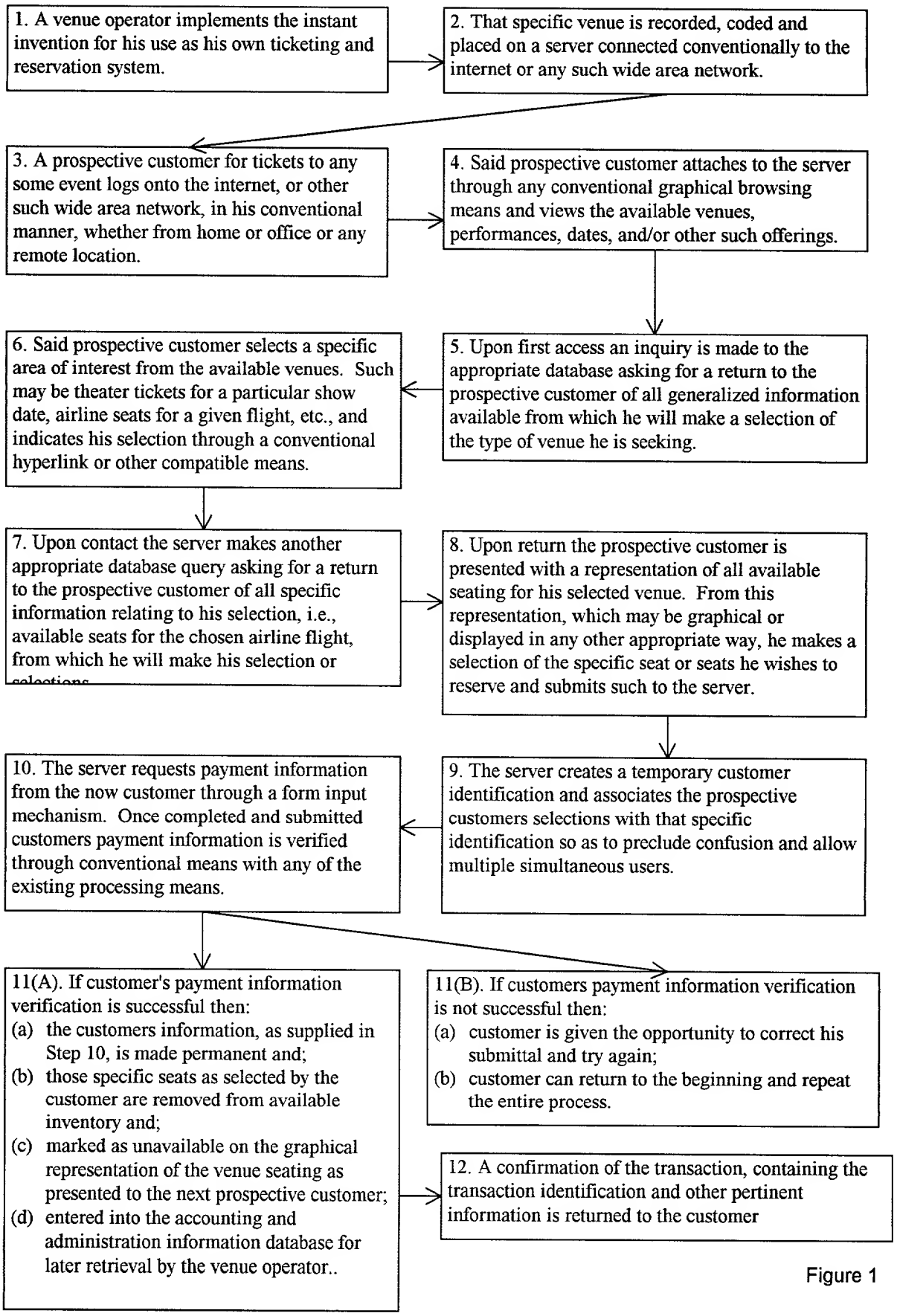
1. A venue operator implements the instant invention for his use as his own ticketing and reservation system.
2. That specific venue is recorded, coded and placed on a server connected conventionally to the internet or any such wide area network.
3. A prospective customer for tickets to any some event logs onto the internet, or other such wide area network, in his conventional manner, whether from home or office or any remote location.
4. Said prospective customer attaches to the server through any conventional graphical browsing means and views the available venues, performances, dates, and/or other such offerings.
5. Upon first access an inquiry is made to the appropriate database asking for a return to the prospective customer of all generalized information available from which he will make a selection of the type of venue he is seeking.
6. Said prospective customer selects a specific area of interest from the available venues. Such may be theater tickets for a particular show date, airline seats for a given flight, etc., and indicates his selection through a conventional hyperlink or other compatible means.
7. Upon contact the server makes another appropriate database query asking for a return to the prospective customer of all specific information relating to his selection, i.e., available seats for the chosen airline flight, from which he will make his selection or
8. Upon return the prospective customer is presented with a representation of all available seating for his selected venue. From this representation, which may be graphical or displayed in any other appropriate way, he makes a selection of the specific seat or seats he wishes to reserve and submits such to the server.
9. The server creates a temporary customer identification and associates the prospective customers selections with that specific identification so as to preclude confusion and allow multiple simultaneous users.
10. The server requests payment information from the now customer through a form input mechanism. Once completed and submitted customers payment information is verified through conventional means with any of the existing processing means.
11(A). If customer's payment information verification is successful then:
(a) the customers information, as supplied in Step 10, is made permanent and;
(b) those specific seats as selected by the customer are removed from available inventory and;
(c) marked as unavailable on the graphical representation of the venue seating as presented to the next prospective customer;
(d) entered into the accounting and administration information database for later retrieval by the venue operator..
11(B). If customers payment information verification is not successful then:
(a) customer is given the opportunity to correct his submittal and try again;
(b) customer can return to the beginning and repeat the entire process.
12. A confirmation of the transaction, containing the transaction identification and other pertinent information is returned to the customer

Figure 1

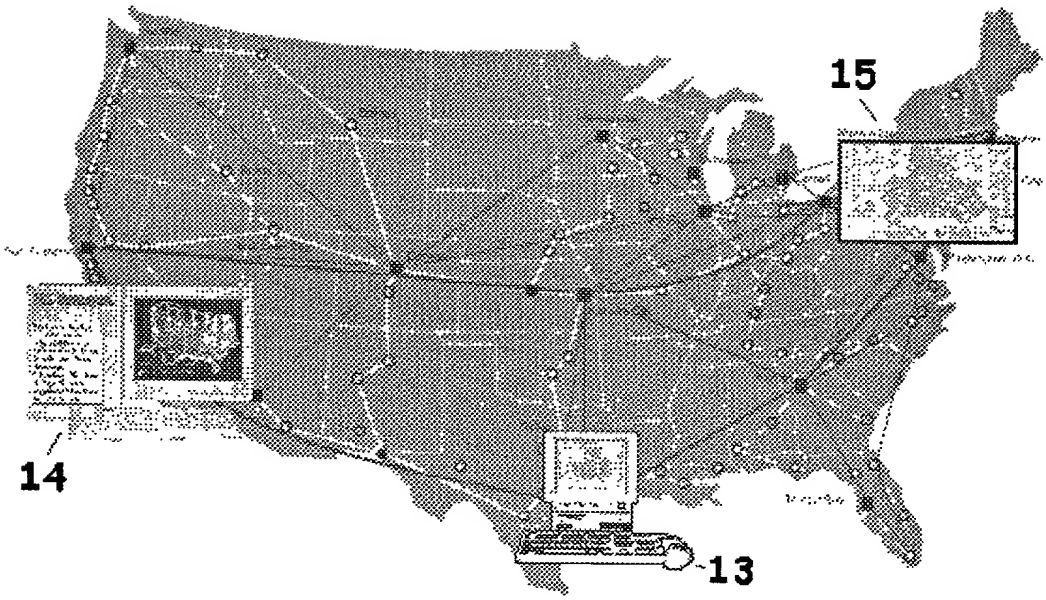

Figure 2

05/05/2004 - 05:20:05

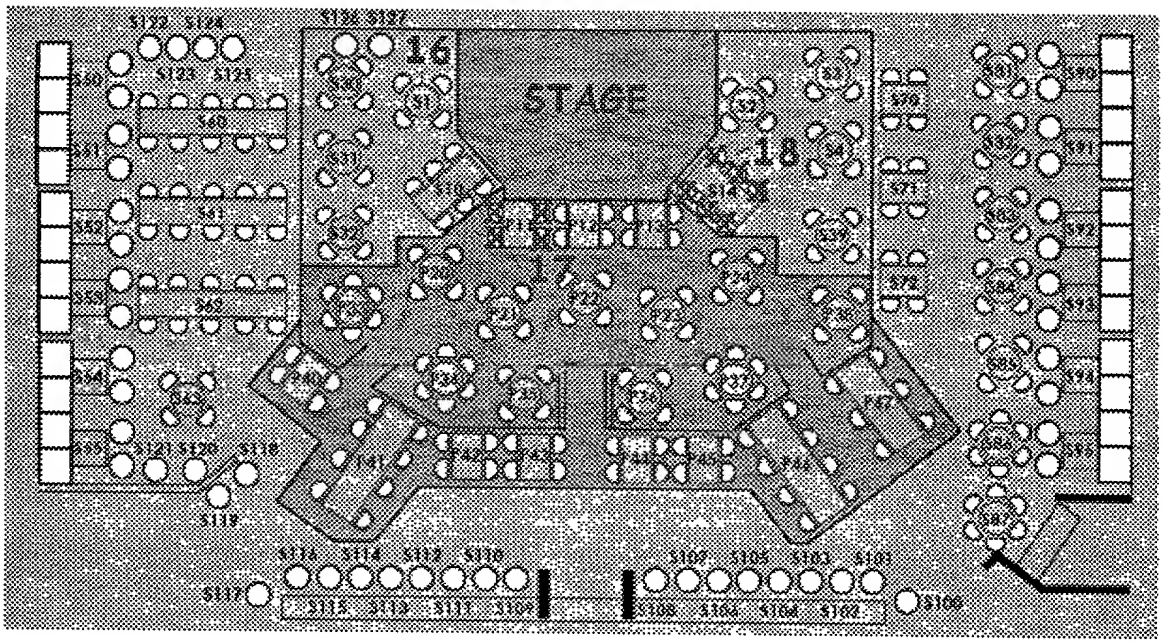

Figure 3a

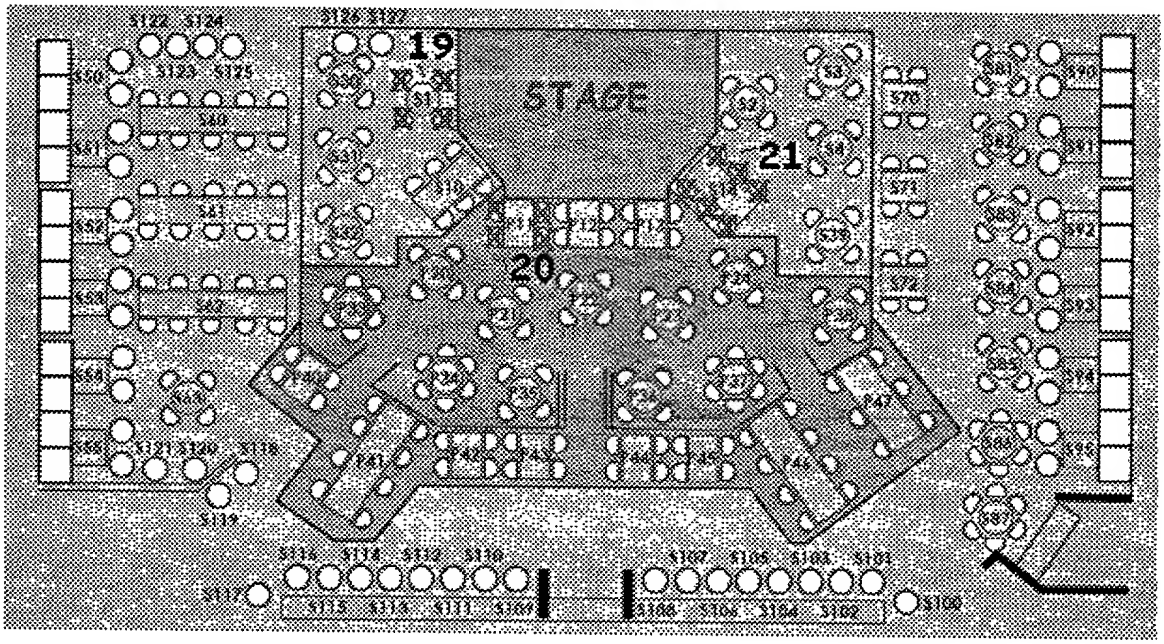

Figure 3b

Start Figure 4

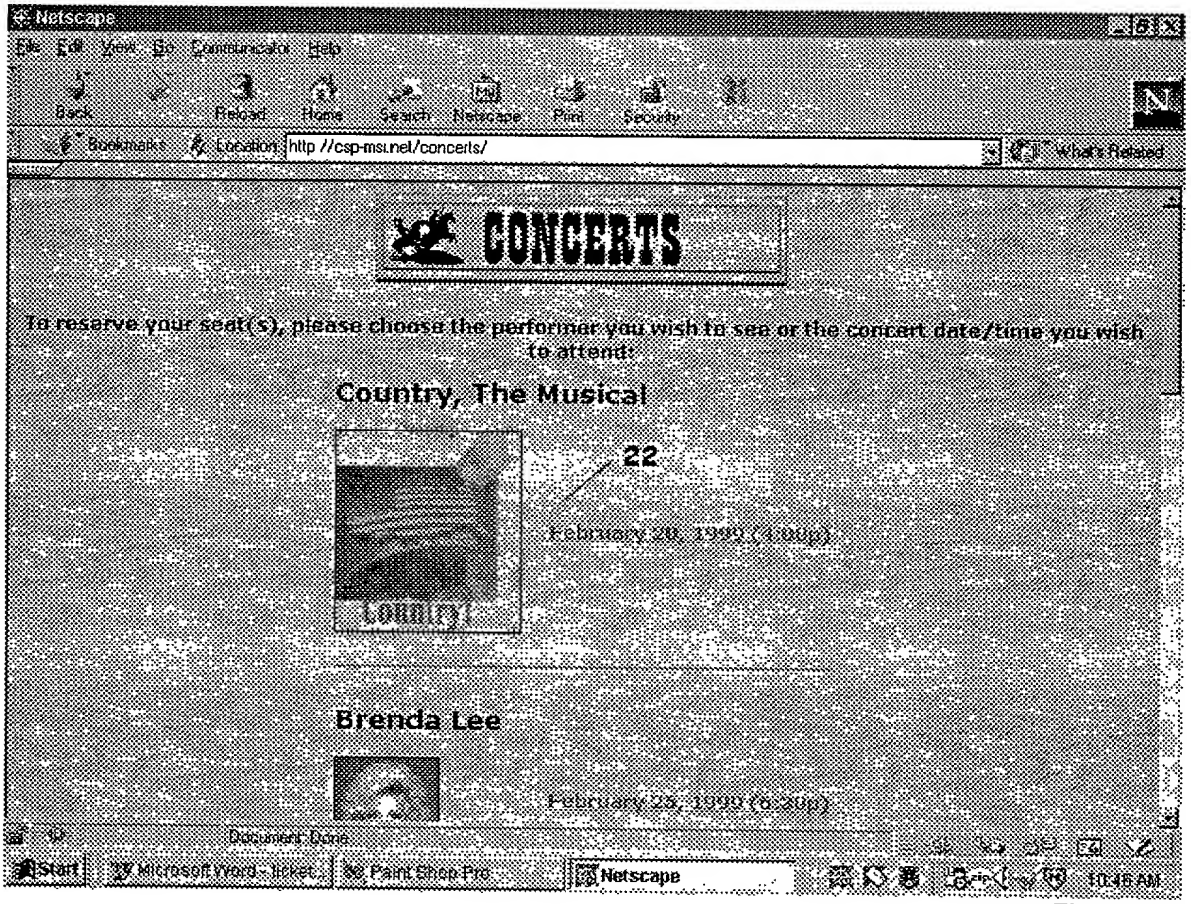

Figure 4(a)

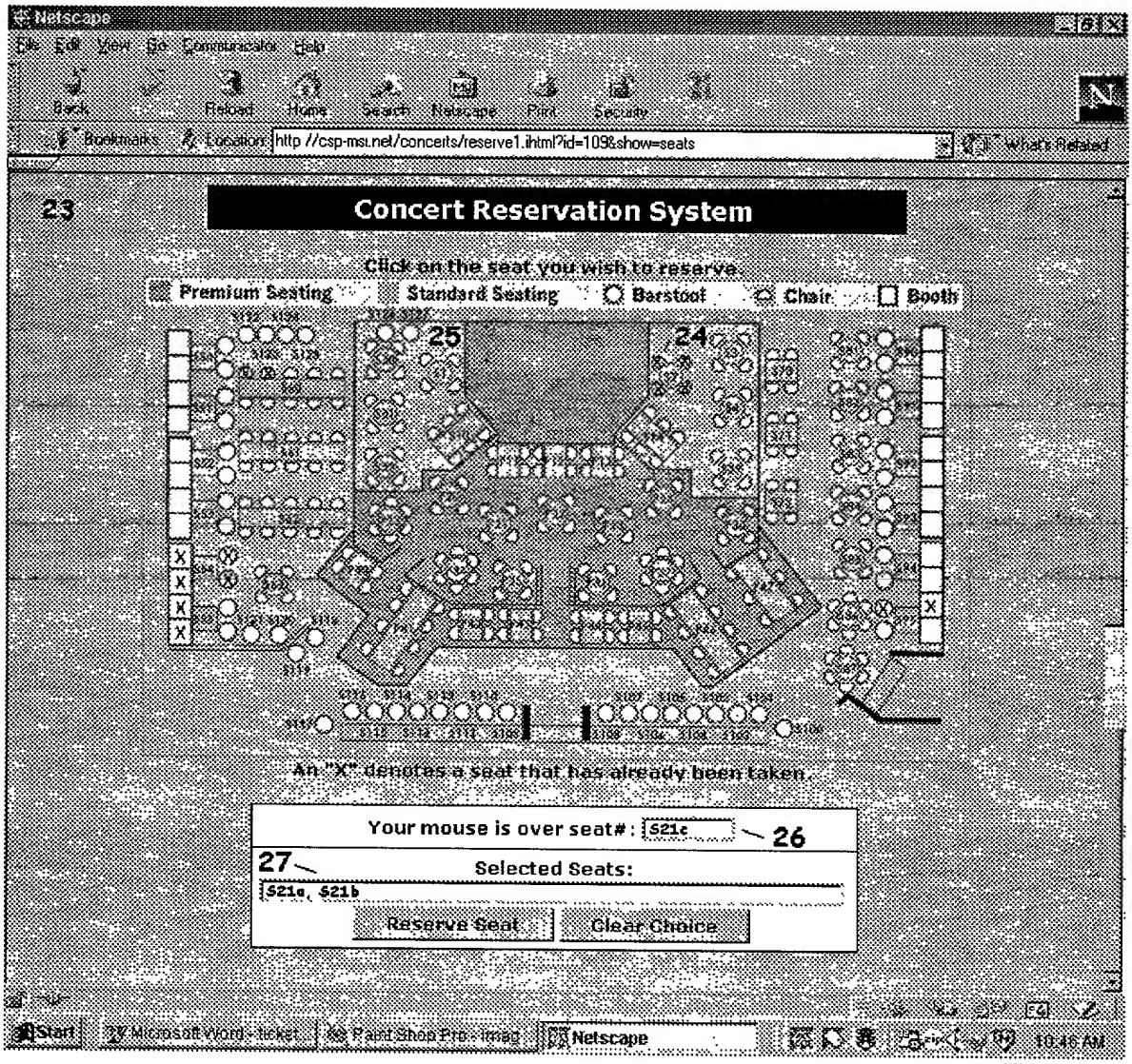
Netscape
http://csp-msi.net/concerts/reserve1.ihtml?id=109&show=seats
23
Concert Reservation System
Click on the seat you wish to reserve.
Premium Seating
Standard Seating
Barstool
Chair
Booth
25
24
An "X" denotes a seat that has already been taken.
Your mouse is over seat# : S21c
26
27
Selected Seats:
S21a, S21b
Reserve Seat
Clear Choice
Start
Microsoft Word - ticket
Paint Shop Pro - Imag
Netscape
10:46 AM

Figure 4(b)

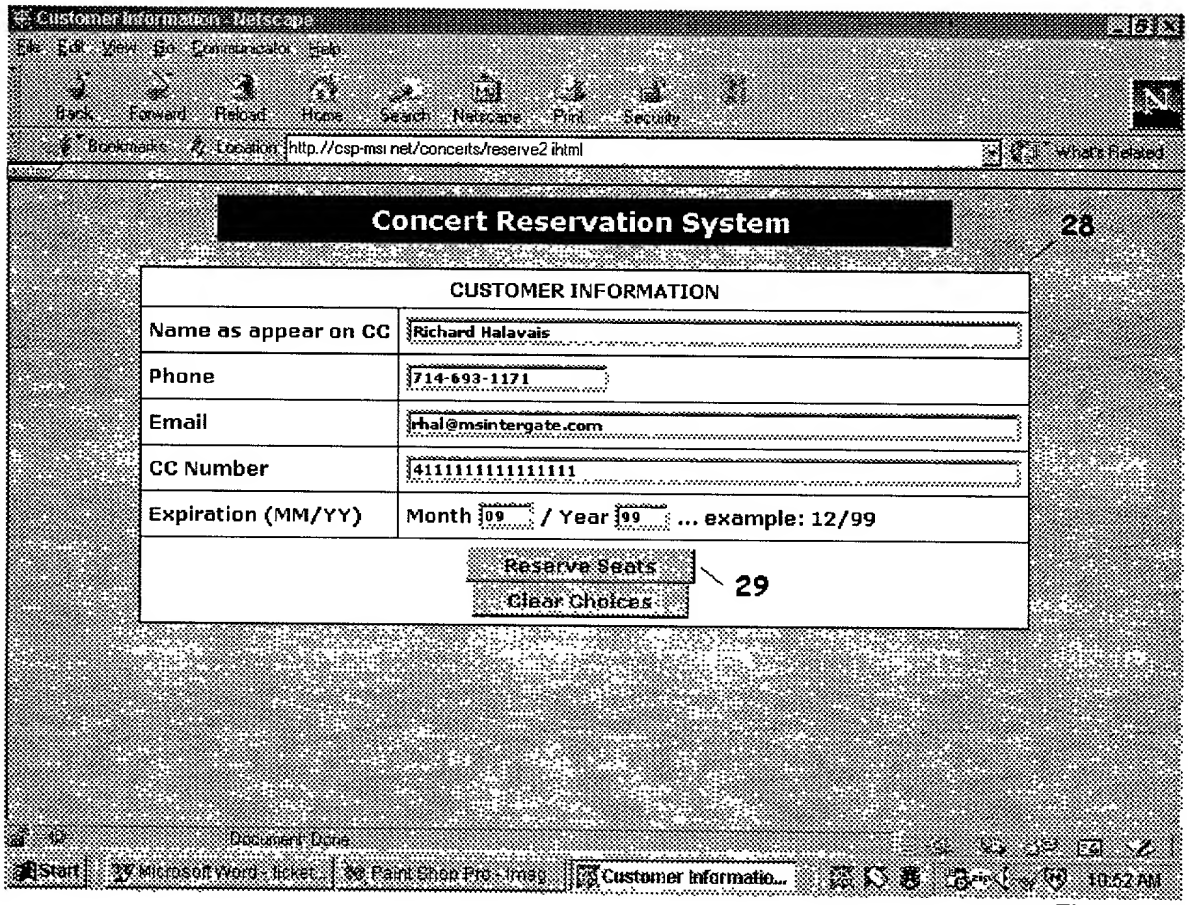
Customer Information - Netscape
File Edit View Go Communicator Help
Back Forward Reload Home Search Netscape Print Security
Bookmarks Location http://csp-msi.net/concerts/reserve2.ihtml
What's Related
Concert Reservation System
28
CUSTOMER INFORMATION
Name as appear on CC
Richard Halavais
Phone
714-693-1171
Email
rhal@msintergate.com
CC Number
4111111111111111
Expiration (MM/YY)
Month 09 / Year 99 ... example: 12/99
Reserve Seats
Clear Choices
29
Document Done
Start
Microsoft Word - ticket
Paint Shop Pro - Imag
Customer Informatio...
10:52 AM

Figure 4(c)

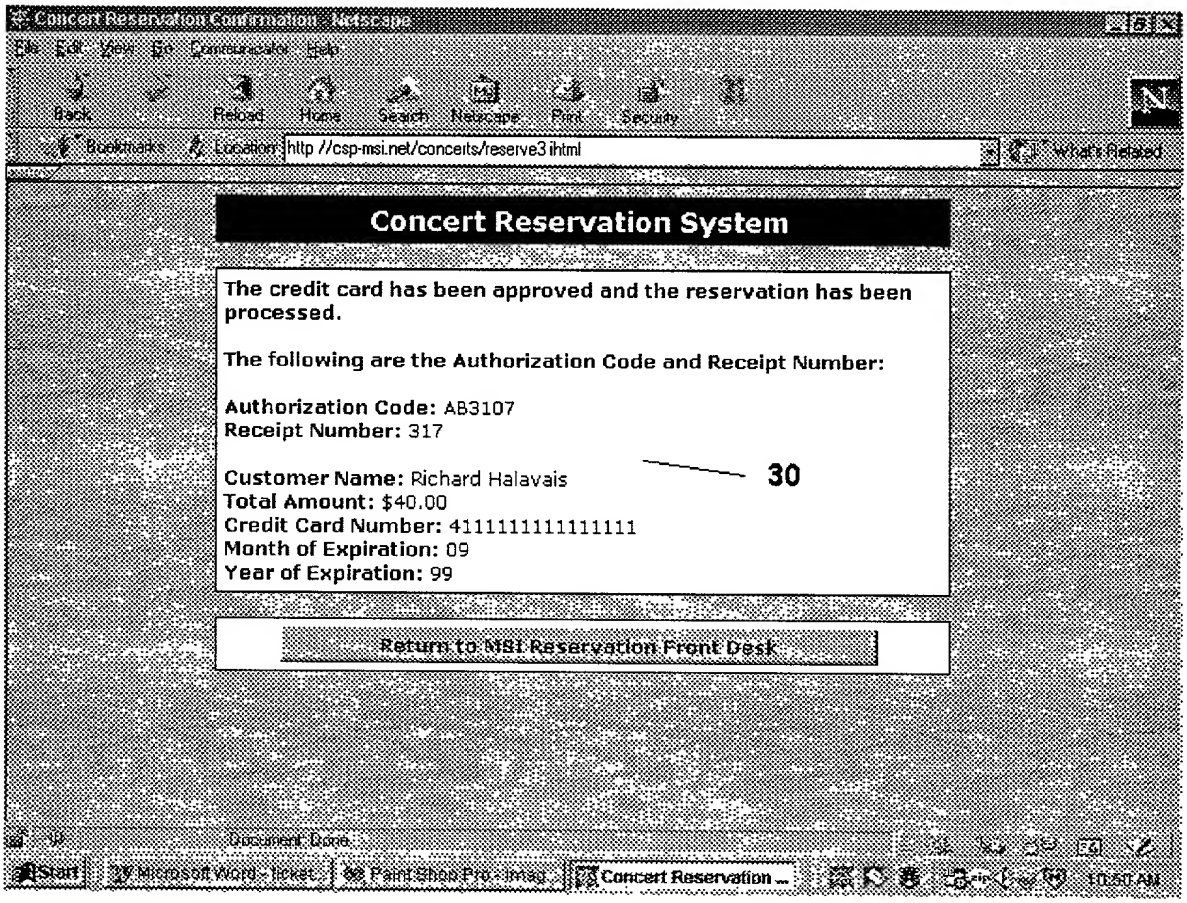

Figure 4(d)

Doc 3 - 2/5/2003 10:57:00 AM

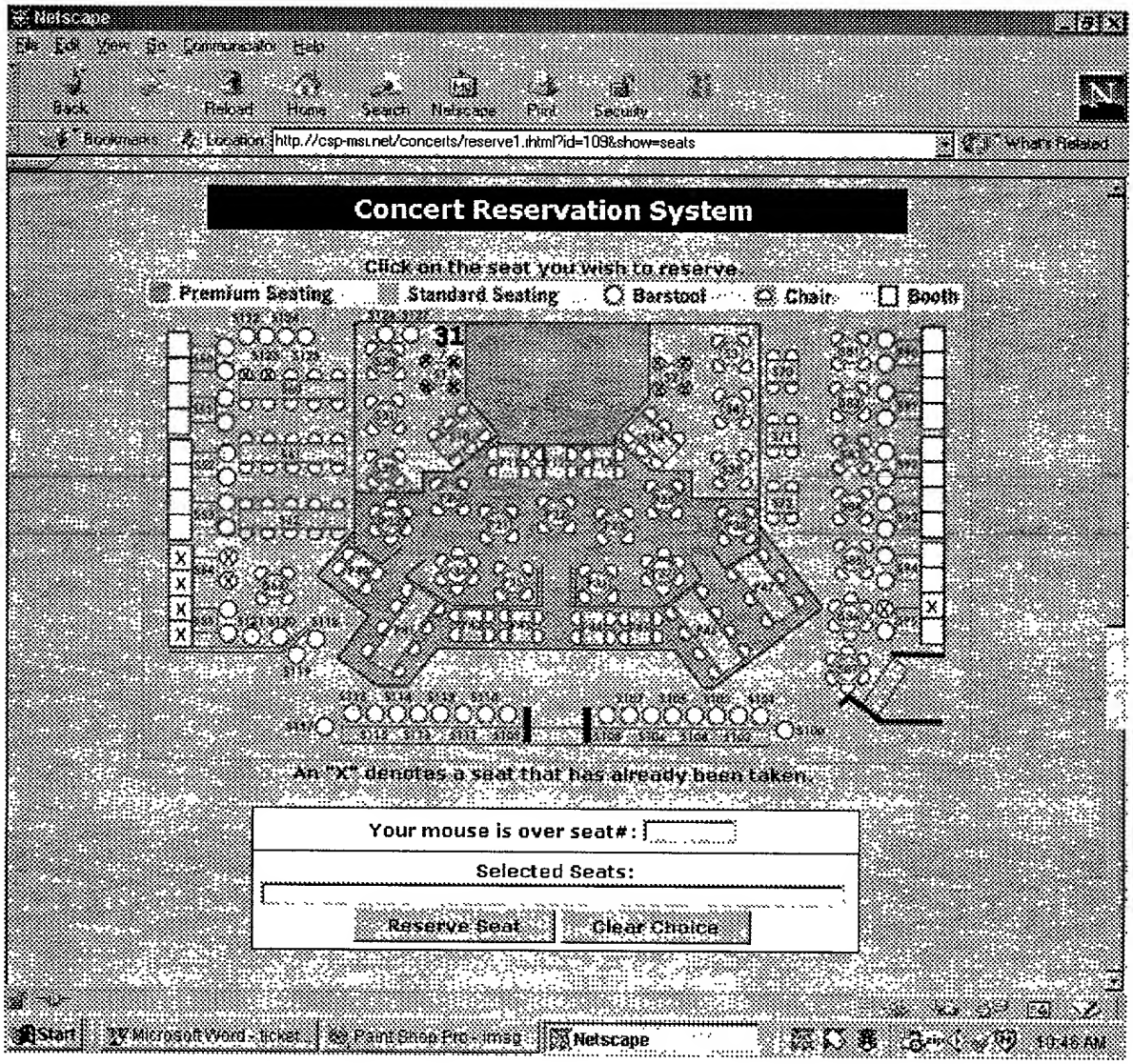

Figure 4(e)

End Figure 4

Start Figure 5

```
Begin Program
        <Markup language>
        <REM --- Imports the file "datasource.inc" which creates variable "datasource" which is used
        to tell markup language datasource to connect to.                    --- >
        <INCLUDE NAME="database\datasource.inc">
        <REM --- In case a database or other type of error occurs, this display the error message.  -
        -- >
        <ERROR>
        <FONT FACE="Verdana, Arial" SIZE="+1"><B>An Error Has Occurred</B></FONT><P>
        <FONT FACE="Verdana, Arial" SIZE="-1"><B>Error Message = :i_errortext
        </B></FONT><P>
        <FONT FACE="Verdana, Arial" SIZE="-1"><B>database Error =
        :i_databaseerrortext</B></FONT><P>
        <FONT FACE="Verdana, Arial" SIZE="-1"><B>database Error = :i_databaseerrorstmt
        </B></FONT><P>
        </ERROR>
        <REM --- Begin normal markup language here                    --- >
        <markup language>
        <HEAD>
        <TITLE>Ticketing &amp;amp; Reservation System</TITLE>
        </HEAD>
        <BODY BACKGROUND="images/background.jpg" TEXT="#000000" LINK="#006666"
        VLINK="#006666">
        <CENTER>
        <IMG SRC="images/masthead_concerts.gif" HEIGHT=60 WIDTH=280><P>
        <FONT FACE='Verdana,Arial' SIZE=-1><B>To begin reserving your seat(s), please select
        the concert date/time you wish to attend next to the performer you want to
        see:</B></FONT>
```

```
<TABLE BORDER=0 CELLSPACING=5 CELLPADDING=5>
<REM --- Begin database query to retrieve all performances that is      --- >
<REM --- currently available.  Will loop until all available        --- >
<REM --- performing artists and their performances are listed.      --- >
<REM --- Part of the return from the query are the links that will  --- >
<REM --- take you to the next step of the reservation.              --- >
<database DBNAME=":datasource"
        database="SELECT id, name, picture, sequence
        FROM category
        WHERE active=1 AND parent=-1
        ORDER BY sequence"
        ALIAS="concert">
        <databaseFETCH ALIAS="concert">
        <WHILE NOTALIAS=i_databaseempty>
        <TR>
        <TD COLSPAN=2>
        <FONT FACE="Verdana,Arial" SIZE=+1><B>:concert_name</B></FONT>
        </TD></TR><TR><TD VALIGN="top">
        <img src=images/:concert_picture align=top border="1">
        </TD><TD>
        <Markup language DBNAME=":datasource"
                database="SELECT id, name, date, time
                FROM category
                WHERE active=1 AND parent=:concert_id
                ORDER BY date, time"
                OUTPUT="<FONT FACE='Verdana,Arial' SIZE=-1><B>
                <A HREF='reserve1.ihtml?&id=:1'>:2</A>
                </B></FONT><p>">
        </TD></TR><TR><TD COLSPAN=2><HR></TD></TR>
        <databaseFETCH ALIAS="concert">
```

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```
            </WHILE ALIAS=i_databaseempty>
        </database ALIAS="concert">
        </TABLE>
        </BODY>
        </markup language>
```

processing then passes to:

```
        <Markup language>
        <REM --- Imports the file "datasource.inc" which creates the        --- >
        <REM --- variable "datasource" which is used to tell Markup language which    --- >
        <REM --- database datasource to connect to.                        --- >
        <INCLUDE NAME="database\datasource.inc">
        <REM In case a database or other type of error occurs, this will display the error message. >
        <ERROR>
        <FONT FACE="Verdana,Arial" SIZE="+1"><B>An Error Has Occurred</B></FONT><P>
        <FONT FACE="Verdana,Arial" SIZE="-1"><B>Error Message =
        :i_errortext</B></FONT><P>
        <FONT FACE="Verdana,Arial" SIZE="-1"><B>database Error =
        :i_databaseerrortext</B></FONT><P>
        <FONT FACE="Verdana,Arial" SIZE="-1"><B>database Error =
        :i_databaseerrorstmt</B></FONT><P>
        </ERROR>
        <REM --- Begin normal markup language here --- >
        <markup language>
        <HEAD>
        <TITLE>Ticketing &amp;amp; Reservation System - Select Seat(s)</TITLE>
        </HEAD>
        <REM --- All seats clicked will pass its information to a input box, "newseats".  When done,
        the information will be passed to "process.ihtml" and be processed by "reserve2.ihtml".  --- >
        <REM --- This code allows the ability to select multiple seats before proceeding to the next
        step of reservation process.  Other features include listing the selected seats in the
```

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```
"number" text box to show the seats that has been clicked.  This script also alters the button
text to be grammatically correct. --- >
<SCRIPT LANGUAGE="JavaScript">
<!--
function selectseat(idnum, seatnum)
{
reserved = document.seats.number.value;
if (reserved == "")
{
document.seats.newseats.value = "<Markup language DBNAME=:"+"datasource
database='INSERT INTO basket (custid, pid, qty) VALUES (:"+"custid, "+idnum+",
1)'><database DBNAME=:"+"datasource database='SELECT cost FROM products WHERE
id="+idnum+"'><databaseFETCH><iEQ NAME='ticketprice'
VALUE=:"+"1></database><iEQ NAME='total' VALUE=<iEVAL EXPR=':"+"ticketprice +
:"+"total' PREC='2'>><Markup language DBNAME=:"+"datasource database='INSERT INTO
orderdetail (pid, oid, qty, sell) VALUES ("+idnum+", :"+"oid, 1, :"+"ticketprice)'>";
document.seats.number.value = seatnum;
document.seats.button1.value = "Reserve Seat";
document.seats.button2.value = "Clear Choice";
}
else
{
document.seats.newseats.value += "<Markup language DBNAME=:"+"datasource
database='INSERT INTO basket (custid, pid, qty) VALUES (:"+"custid, "+idnum+",
1)'><database DBNAME=:"+"datasource database='SELECT cost FROM products WHERE
id="+idnum+"'><databaseFETCH><iEQ NAME='ticketprice'
VALUE=:"+"1></database><iEQ NAME='total' VALUE=<iEVAL EXPR=':"+"ticketprice +
:"+"total' PREC='2'>><Markup language DBNAME=:"+"datasource database='INSERT INTO
orderdetail (pid, oid, qty, sell) VALUES ("+idnum+", :"+"oid, 1, :"+"ticketprice)'>";
document.seats.number.value = reserved+", "+seatnum;
```

```
document.seats.button1.value = "Reserve Seats";
document.seats.button2.value = "Clear Choices";
}
}
function clear()
{
document.seats.newseats.value = "";
}
//-->
</SCRIPT>
<BODY BACKGROUND="images/background.jpg" TEXT="#000000" LINK="#006666"
VLINK="#006666">
<REM --- Begin database query to retrieve the last id number from table "orderdetail" for the
purpose of creating a new instance of the stage image whenever a new order has occurred.
This will prevent the browser from displaying an old floor image from its cache as a different
image name is called every time the file is run.  --- >
<database DBNAME=":datasource"
        database="SELECT max(id)
        FROM orderdetail">
        <databaseFETCH>
        <iEQ NAME="imagenum" VALUE=:1>
        <databaseFETCH>
</database>
<iEQ NAME="imagetype" VALUE=".jpg">
<CENTER>
<TABLE BGCOLOR='#000000' BORDER=0 CELLPADDING=5 CELLSPACING=0
WIDTH=500>
<TR><TD><CENTER>
<FONT FACE='Verdana,Arial' SIZE=+1 COLOR='#FFFFFF'><B>
Concert Reservation System
```

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```
</B></FONT>
</CENTER>
</TD></TR></TABLE></CENTER><p>
<REM - Loads the core image that will be dynamically altered for use as the image map. - >
<iIMAGEFROMFILE NAME="stage" FILENAME="images/stage.jpg" TYPE="jpeg">
<MAP NAME="stage" BORDER=0>
<REM --- Begin database query to retrieve all seat information for the image map "stage".
Will loop until all available seat information for this particular performance is listed.  --- >
<REM --- The return query will be used only if the "active" attribute of that particular seat is
marked "true" or "1".  --- >
<REM --- If active, the seat's information, including image map coordinates will be
displayed.  Otherwise, the seat on the image map will be x'd out according to the x and y
coordinates associated with it.  --- >
<database DBNAME=":datasource"
database="SELECT id, active, x, y, shape, corrds, name, mouseout, mouseover1,
mouseover2, mouseover3
        FROM products
        WHERE catid=:id">
        <databaseFETCH>
        <iWHILE NOTALIAS=i_databaseempty>
        <iEQ NAME="active" VALUE=:2>
        <iCASE ALIAS="active" VALUE=1>
<AREA SHAPE=":5" COORDS=":6" HREF="javascript:selectseat(:1,':7')" ALT="Seat # :7"
OnMouseOut=:8 OnMouseOver=:9 :7 :10 :7 :11 >
        </iCASE ALIAS="active">
        <iCASE ALIAS="active" VALUE=0>
        <iIMAGETEXT NAME="stage" TEXT="X" X=:3 Y=:4 COLOR="red">
        </iCASE ALIAS="active">
        <databaseFETCH>
        </iWHILE ALIAS=i_databaseempty>
```

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```
</database>
</MAP>
<CENTER>
<FONT FACE="Verdana,Arial" SIZE="-1"><B>
Click on the seat you wish to reserve.
</B></FONT>
<TABLE BORDER=1 CELLPADDING=0 CELLSPACING=0>
<TR><TD>
<REM --- Converts the dynamically generated image, "stage", into a web friendly image
type - "jpeg".          --- >
<IIMAGEWRITE NAME="stage" FILENAME="images/ch_stage-:id-:imagenum:imagetype"
TYPE="jpeg" QUALITY="30">
<REM --- Deletes the temporary image "stage" as it is no longer needed. --- >
<IIMAGEDESTROY NAME="stage">
<IMG SRC="images/legend.jpg" BORDER=0 HEIGHT=20 WIDTH=584><BR>
<IMG SRC="images/ch_stage-:id-:imagenum:imagetype" BORDER=0 USEMAP="#stage"
HEIGHT=315 WIDTH=584>
</CENTER>
</TD></TR></TABLE>
<FONT FACE='Verdana,Arial' SIZE=-1><B>
An "X" denotes a seat that has already been taken.
</B></FONT>
<FORM NAME="seats" ACTION="process.ihtml" METHOD="post">
<CENTER>
<TABLE BGCOLOR='#000000' BORDER=0 CELLPADDING=0 CELLSPACING=0>
<TR><TD>
<TABLE BGCOLOR='#FFFFFF' BORDER=0 CELLPADDING=5 CELLSPACING=1>
<TR><TD><CENTER>
<FONT FACE='Verdana,Arial' SIZE=-1><B>
Your mouse is over seat#: <INPUT TYPE="text" NAME="seatnum" SIZE=5>
```

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```
</B></FONT></CENTER>
</TD></TR><TR><TD><CENTER>
<FONT FACE='Verdana,Arial' SIZE=-1><B>
Selected Seats:<BR><INPUT TYPE="text" NAME="number" SIZE=40>
<BR>
<INPUT TYPE="hidden" NAME="newseats" SIZE=50>
<INPUT TYPE="submit" NAME="button1" VALUE="Reserve Seat"> <INPUT
TYPE="reset" NAME="button2" VALUE="Clear Choice" onClick="clear()">
</B></FONT>
</CENTER>
</TD></TR></TABLE></TD></TR></TABLE></CENTER>
</FORM></CENTER></BODY>
</markup language>
```

which then passes to a template:

```
<Markup language>
<REM --- Imports the file "datasource.inc" which creates the variable "datasource" which is
used to tell Markup language which ODBC datasource to connect to.
<iINCLUDE NAME="database\datasource.inc">
<REM --- In case a database or other type of error occurs, this will display the error
message. - >
<ERROR>
<FONT FACE="Verdana,Arial" SIZE="+1"><B>An Error Has Occurred</B></FONT><P>
<FONT FACE="Verdana,Arial" SIZE="-1"><B>Error Message =
:i_errortext</B></FONT><P>
<FONT FACE="Verdana,Arial" SIZE="-1"><B>database Error =
:i_databaseerrortext</B></FONT><P>
<FONT FACE="Verdana,Arial" SIZE="-1"><B>database Error =
:i_databaseerrorstmt</B></FONT><P>
</ERROR>
```

```
<REM --- Copy a preformatted file, "empty.ihtml" into a new file,    --- >
<REM --- "reserve2.ihtml".                                          --- >
<iCOPYFILE SRC="empty.ihtml" DST="reserve2.ihtml">
<REM --- Appends the information passed from "reseve1.ihtml" to "reserve2.ihtml" for
process.  Other html information is also passed.                    --- >
<iFILE NAME="reserve2.ihtml" DATA=":newseats" OP="append">
<iFILE NAME="reserve2.ihtml" DATA="<INPUT TYPE='hidden' NAME='total'
VALUE=:total>" OP="append">
<iFILE NAME="reserve2.ihtml" DATA="</FORM>" OP="append">
<iFILE NAME="reserve2.ihtml" DATA="</CENTER>" OP="append">
<iFILE NAME="reserve2.ihtml" DATA="<P>" OP="append">
<iFILE NAME="reserve2.ihtml" DATA="</BODY>" OP="append">
<iFILE NAME="reserve2.ihtml" DATA="</markup language>" OP="append">
<REM --- Once the information is appended into "reserve2.ihtml", it will be automatically
push the page "reserve2.ihtml" to the browser.                      --- >
<iREDIR URL="reserve2.ihtml">
```

which then combines information and passes to:

```
<Markup language>
<REM --- Imports the file "datasource.inc" which creates the variable "datasource" which is
used to tell Markup language which ODBC datasource to connect to.   --- >
<iINCLUDE NAME="database\datasource.inc">
<REM --- In case a database or other type of error occurs, this will display the error
message. - >
<ERROR>
<FONT FACE="Verdana,Arial" SIZE="+1"><B>An Error Has Occurred</B></FONT><P>
<FONT FACE="Verdana,Arial" SIZE="-1"><B>Error Message =
:i_errortext</B></FONT><P>
<FONT FACE="Verdana,Arial" SIZE="-1"><B>database Error =
:i_databaseerrortext</B></FONT><P>
```

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<FONT FACE="Verdana,Arial" SIZE="-1"><B>database Error =

:i_databaseerrorstmt</B></FONT><P>

</ERROR>

<REM --- Copy a preformatted file, "empty.ihtml" into a new file, "reserve2.ihtml". --- >

<iCOPYFILE SRC="empty.ihtml" DST="reserve2.ihtml">

<REM --- Appends the information passed from "reseve1.ihtml" to "reserve2.ihtml" for

process. Other html information is also passed. --- >

<iFILE NAME="reserve2.ihtml" DATA=":newseats" OP="append">

<iFILE NAME="reserve2.ihtml" DATA="<INPUT TYPE='hidden' NAME='total'

VALUE=:total>" OP="append">

<iFILE NAME="reserve2.ihtml" DATA="</FORM>" OP="append">

<iFILE NAME="reserve2.ihtml" DATA="</CENTER>" OP="append">

<iFILE NAME="reserve2.ihtml" DATA="<P>" OP="append">

<iFILE NAME="reserve2.ihtml" DATA="</BODY>" OP="append">

<iFILE NAME="reserve2.ihtml" DATA="</markup language>" OP="append">

<REM --- Once the information is appended into "reserve2.ihtml", it will be automatically

push the page "reserve2.ihtml" to the browser.

<iREDIR URL="reserve2.ihtml">

then (takes all information from index & reserve one and conbines it to with the information

in empty) then passes to:

<!Markup language>

<REM --- Imports the file "datasource.inc" which creates the variable "datasource" which is

used to tell Markup language which ODBC datasource to connect to. --- >

<iINCLUDE NAME="database\datasource.inc">

<REM -- In case a database or other type of error occurs, this will display the error message.

-- >

<ERROR>

<FONT FACE="Verdana,Arial" SIZE="+1"><B>An Error Has Occurred</B></FONT><P>

<FONT FACE="Verdana,Arial" SIZE="-1"><B>Error Message =

:i_errortext</B></FONT><P>

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```
<FONT FACE="Verdana,Arial" SIZE="-1"><B>database Error =
:i_databaseerrortext</B></FONT><P>
<FONT FACE="Verdana,Arial" SIZE="-1"><B>database Error =
:i_databaseerrorstmt</B></FONT><P>
</ERROR>
<REM --- Begin normal markup language here                    --- >
<markup language>
<HEAD>
<TITLE>Ticketing &amp; Reservation System - Customer Information</TITLE>
</HEAD>
<BODY BACKGROUND="images/background.jpg" TEXT="#000000" LINK="#006666"
VLINK="#006666">
<REM ----- Get Customer Info ----- >
<CENTER>
<TABLE BGCOLOR='#000000' BORDER=0 CELLPADDING=5 CELLSPACING=0
WIDTH=500>
<TR><TD><CENTER>
<FONT FACE='Verdana,Arial' SIZE=+1 COLOR='#FFFFFF'><B>
Ticketing &amp; Reservation System
</B></FONT>
</CENTER>
</TD></TR>
</TABLE><p>
<FORM ACTION=reserve3.ihtml METHOD=POST>
<TABLE BGCOLOR='#000000' BORDER=0 CELLPADDING=0 CELLSPACING=0>
<TR><TD>
<TABLE BGCOLOR='#FFFFFF' BORDER=0 CELLPADDING=5 CELLSPACING=1>
        <TR>
        <TD COLSPAN=2><CENTER><FONT FACE='Verdana,Arial' SIZE=-
1><B>CUSTOMER INFORMATION</CENTER></TD>
```

```
</TR><TR>
<TD><FONT FACE='Verdana,Arial' SIZE=-1><B>Name as appear on
CC</B></FONT></TD>
<TD><FONT FACE='Verdana,Arial' SIZE=-1><B><INPUT TYPE="text"
NAME="name" MAXLENGTH=50 SIZE=40></B></FONT></TD>
</TR><TR>
<TD><FONT FACE='Verdana,Arial' SIZE=-1><B>Phone</B></FONT></TD>
<TD><FONT FACE='Verdana,Arial' SIZE=-1><B><INPUT TYPE="text"
NAME="phone" MAXLENGTH=50 SIZE=12></B></FONT></TD>
</TR><TR>
<TD><FONT FACE='Verdana,Arial' SIZE=-1><B>Email</B></FONT></TD>
<TD><FONT FACE='Verdana,Arial' SIZE=-1><B><INPUT TYPE="text"
NAME="email" MAXLENGTH=50 SIZE=40></B></FONT></TD>
</TR><TR>
<TD><FONT FACE='Verdana,Arial' SIZE=-1><B>CC Number</B></FONT></TD>
<TD><FONT FACE='Verdana,Arial' SIZE=-1><B><INPUT TYPE="text"
NAME="ccnum" MAXLENGTH=50 SIZE=40></B></FONT></TD>
</TR><TR>
<TD><FONT FACE='Verdana,Arial' SIZE=-1><B>Expiration
(MM/YY)</B></FONT></TD>
<TD><FONT FACE='Verdana,Arial' SIZE=-1><B>Month <INPUT TYPE="text"
NAME="ccmexp" MAXLENGTH=50 SIZE=2> / Year <INPUT TYPE="text" NAME="ccyexp"
MAXLENGTH=50 SIZE=2> ... example: 12/99</B></FONT></TD>
</TR><TR>
<TD COLSPAN=2>
<CENTER>
<FONT FACE='Verdana,Arial' SIZE=-1><B>
<INPUT TYPE="submit" VALUE="Reserve Seats">
<BR>
<INPUT TYPE="reset" VALUE="Clear Choices">
```

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```
        </B></FONT>
        </CENTER>
        </TD></TR>
</TABLE>
</TD></TR></TABLE>
<iEQ NAME="total" VALUE=0>
<iEQ NAME="date" VALUE='<iDATE>'>
<REM --- Begin database command to insert a new customer profile into the database.  This
step is primarily for the purpose of obtaining a new customer id to associate this transaction.
The customer's ip and captured and inserted into a new record in the "customers" table.
The marker, "new" is flagged "true" for the attrieval of the new id.  Once the new customer
id is captured, the marker "new" is turned off.                                    --- >
<Markup language DBNAME=:datasource
        database="INSERT INTO customers (ip, new)
        VALUES (':i_ip',1)">
<database DBNAME=:datasource
        database="SELECT id
        FROM customers
        WHERE new=1">
        <databaseFETCH>
        <iEQ NAME="custid" VALUE=:1>
</database>
<Markup language DBNAME=:datasource
        database="UPDATE customers
        SET new=0
        WHERE id=:custid">
<REM --- Begin database command to insert a new reservation into the database.  This step
is primarily for the purpose of creating a new reservation record, flagged with the newly
obtained customer id, so that the transaction information may be processed in
"resere3.ihtml".                    --- >
```

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<Markup language DBNAME=:datasource

database="INSERT INTO orders (orderdate, approvalcode, receiptnum, totalcharge, custid)

VALUES (':date','0000', '0000', :total, :custid)"

FAILURE="The order could not be processed at this time due to technical difficulties.">

<REM --- Begin database command to obtain the reservation id that was just created. This information, coupled with the customer id, will be used to identify this particular transaction in the database and be updated in "resere3.ihtml" --- >

<database DBNAME=:datasource

database="SELECT max(id)

FROM orders">

<databaseFETCH>

<iEQ NAME="oid" VALUE=:1>

</database>

<INPUT TYPE="hidden" NAME="reserve" VALUE="receipt">

<INPUT TYPE="hidden" NAME=custid VALUE=:custid>

<INPUT TYPE="hidden" NAME=phone VALUE=:phone>

<INPUT TYPE="hidden" NAME=email VALUE=:email>

<INPUT TYPE="hidden" NAME=oid VALUE=:oid>

<Markup language DBNAME=:datasource database='INSERT INTO basket (custid, pid, qty) VALUES (:custid, 6431, 1)'><database DBNAME=:datasource database='SELECT cost FROM products WHERE id=6431'><databaseFETCH><iEQ NAME='ticketprice' VALUE=:1></database><iEQ NAME='total' VALUE=<iEVAL EXPR=':ticketprice + :total' PREC='2'>><Markup language DBNAME=:datasource database='INSERT INTO orderdetail (pid, oid, qty, sell) VALUES (6431, :oid, 1, :ticketprice)'><Markup language DBNAME=:datasource database='INSERT INTO basket (custid, pid, qty) VALUES (:custid, 6428, 1)'><database DBNAME=:datasource database='SELECT cost FROM products WHERE id=6428'><databaseFETCH><iEQ NAME='ticketprice' VALUE=:1></database><iEQ NAME='total' VALUE=<iEVAL EXPR=':ticketprice + :total' PREC='2'>><Markup language DBNAME=:datasource database='INSERT INTO orderdetail

(pid, oid, qty, sell) VALUES (6428, :oid, 1, :ticketprice)'><Markup language DBNAME=:datasource database='INSERT INTO basket (custid, pid, qty) VALUES (:custid, 6429, 1)'><database DBNAME=:datasource database='SELECT cost FROM products WHERE id=6429'><databaseFETCH><iEQ NAME='ticketprice' VALUE=:1></database><iEQ NAME='total' VALUE=<iEVAL EXPR=':ticketprice + :total' PREC='2'>><Markup language DBNAME=:datasource database='INSERT INTO orderdetail (pid, oid, qty, sell) VALUES (6429, :oid, 1, :ticketprice)'><Markup language DBNAME=:datasource database='INSERT INTO basket (custid, pid, qty) VALUES (:custid, 6430, 1)'><database DBNAME=:datasource database='SELECT cost FROM products WHERE id=6430'><databaseFETCH><iEQ NAME='ticketprice' VALUE=:1></database><iEQ NAME='total' VALUE=<iEVAL EXPR=':ticketprice + :total' PREC='2'>><Markup language DBNAME=:datasource database='INSERT INTO orderdetail (pid, oid, qty, sell) VALUES (6430, :oid, 1, :ticketprice)'><INPUT TYPE='hidden' NAME='total' VALUE=:total></FORM></CENTER><P></BODY></markup language>

takes in credit card information and passes to:

```
<!Markup language>
<REM --- Imports the file "datasource.inc" which creates the variable "datasource" which is
used to tell Markup language which ODBC datasource to connect to.
<iINCLUDE NAME="database\datasource.inc">
<REM -- In case a database or other type of error occurs, this will display the error message.
-- >
<ERROR>
<FONT FACE="Verdana,Arial" SIZE="+1"><B>An Error Has Occurred</B></FONT><P>
<FONT FACE="Verdana,Arial" SIZE="-1"><B>Error Message =
:i_errortext</B></FONT><P>
<FONT FACE="Verdana,Arial" SIZE="-1"><B>database Error =
:i_databaseerrortext</B></FONT><P>
<FONT FACE="Verdana,Arial" SIZE="-1"><B>database Error =
:i_databaseerrorstmt</B></FONT><P>
</ERROR>
```

```
<REM --- Begin normal markup language here                    --- >
<markup language>
<HEAD>
<TITLE>Ticketing &amp;amp; Reservation System - Confirmation</TITLE>
</HEAD>
<BODY BACKGROUND="images/background.jpg" TEXT="#000000" LINK="#006666"
VLINK="#006666">
<REM --- Checks to see if the instance "reserve" with a value of     --- >
<REM --- "receipt" is passed to this page.  If so, the codes within  --- >
<REM --- the iCASE and /iCASE tags are executed.  This is primarily  --- >
<REM --- for security purposes as the instanced "reserved" is only   --- >
<REM --- called in the step immediately before.  If a visitor        --- >
<REM --- accidentally stumbled upon this file, nothing will be run   --- >
<REM --- unless all previous steps are completed.                    --- >
<iCASE ALIAS="reserve" VALUE="receipt">
<CENTER>
<TABLE BGCOLOR='#000000' BORDER=0 CELLPADDING=5 CELLSPACING=0
WIDTH=500>
<TR><TD>
<CENTER>
<FONT FACE='Verdana,Arial' SIZE=+1 COLOR='#FFFFFF'><B>
Concert Reservation System
</B></FONT>
</CENTER>
</TD></TR>
</TABLE>
</CENTER><p>
<REM --- Two steps are combined here:                             --- >
<REM --- 1.  The reservation information captured in              --- >
<REM ---     "reserve2.ihtml" is passed to the iPAY tag which     --- >
```

Oracle - Exhibit 1005

```
<REM ---    processes the information and passes it to CyberCash    --- >
<REM ---    for verification.  If successful, the tag returns       --- >
<REM ---    "success", otherwise it returns a variation of "fail"   --- >
<REM --- 2.  iIF checks to see if the verification is a success or  --- >
<REM ---    failure.  If successful, it will process the codes      --- >
<REM ---    immediately after it, which includes updating the       --- >
<REM ---    database with a successful reservation.  If anything    --- >
<REM ---    other than "success" is returned, iIF will skip to      --- >
<REM ---    the iELSE tag and execute all codes thereafter.         --- >
<iIF COND=<iPAY SERVER="C3"
                amount=:total
                id=:oid
                ccnum=":ccnum"
                ccmexp=":ccmexp"
                ccyexp=":ccyexp"
                name=":name"
                capture="false"
                HOST="http://cr.cybercash.com/cgi-bin"
                PORT=80
                SECRET="vendorid-26"
                CRYPTOKEY="j1y1o1ohNU1ciTdPF1hsvHFjlpnCpR">>
<CENTER>
<TABLE BGCOLOR='#000000' BORDER=0 CELLPADDING=0 CELLSPACING=0>
<TR><TD>
<TABLE BGCOLOR='#FFFFFF' BORDER=0 CELLPADDING=5 CELLSPACING=1
WIDTH=500>
<TR><TD>
<FONT FACE="Verdana,Arial" SIZE="-1">
<B>The credit card has been approved and the reservation has been processed.<P>
The following are the Authorization Code and Receipt Number:</B><p>
```

```
<b>Authorization Code:</b> :i_pay_authnumber<BR>
<b>Receipt Number:</b> :i_pay_transactionnumber<P>
<b>Customer Name:</b> :name<BR>
<b>Total Amount:</b> $:total<BR>
<b>Credit Card Number:</b> :ccnum<BR>
<b>Month of Expiration:</b> :ccmexp<BR>
<b>Year of Expiration:</b> :ccyexp<BR>
<REM --- Begin database query to update the "customers" table with customer information
captured in "reserve2.ihtml".          --- >
<Markup language DBNAME=:datasource
                database="UPDATE customers
                SET contact=':name', phone=':phone', email=':email'
                WHERE id=:custid">
<REM --- Begin database query to update the "orders" table is updated with the approval
code returned by CyberCash, as well as the transaction information (total charge, credit card
number, etc).                                    --- >
<Markup language DBNAME=:datasource
                database="UPDATE orders
                SET approvalcode=':i_pay_authnumber',
receiptnum=':i_pay_transactionnumber', totalcharge=:total,cc=':ccnum', ccm=':ccmexp',
ccy=':ccyexp'
                WHERE id=:oid"
        FAILURE="The information was not saved correctly.<br>">
<REM --- Begin database query to turn off the availability of the seats that have been
reserved by setting the "active" attribute of the seats to "0".                    --- >
<database ALIAS="markoff" dbname=":datasource" database="SELECT pid FROM
orderdetail WHERE oid=:oid">
        <databaseFETCH ALIAS="markoff">
        <iWHILE NOTALIAS=i_databaseempty>
                <Markup language dbname=":datasource"
```

```
                database="UPDATE products
                        SET active=0
                        WHERE id=:markoff_pid">
                <databaseFETCH ALIAS="markoff">
            </iWHILE ALIAS=i_databaseempty>
</database ALIAS="markoff">
</FONT>
</TD></TR>
</TABLE>
</TD></TR>
</TABLE>
</CENTER><p>
<iELSE>
<CENTER>
<TABLE BGCOLOR='#000000' BORDER=0 CELLPADDING=0 CELLSPACING=0>
<TR><TD>
<TABLE BGCOLOR='#FFFFFF' BORDER=0 CELLPADDING=5 CELLSPACING=1
WIDTH=500>
<TR><TD>
<FONT FACE="Verdana,Arial" SIZE="-1"><B>
This transaction could not be processed by Cyber Cash at this time. Either the Credit Card
Information was invalid or the Cyber Cash server is currently not available.
</B></FONT>
</TD></TR>
</TABLE>
</TD></TR>
</TABLE>
</CENTER>
</iIF>
<FORM ACTION="index.ihtml" METHOD="post">
```

Docket No. 50325-0

```
<CENTER>
<TABLE BGCOLOR='#000000' BORDER=0 CELLPADDING=0 CELLSPACING=0>
<TR><TD>
<TABLE BGCOLOR='#FFFFFF' BORDER=0 CELLPADDING=5 CELLSPACING=1
WIDTH=500>
<TR><TD>
<CENTER>
<FONT FACE="Verdana,Arial" SIZE="-1"><B>
<INPUT TYPE="submit" VALUE="Return to Concert Selection">
</B></FONT>
</CENTER>
</TD></TR>
</TABLE>
</TD></TR>
</TABLE>
</CENTER>
</FORM>
<FORM ACTION="http://domainname/filename" METHOD="post">
<CENTER>
<TABLE BGCOLOR='#000000' BORDER=0 CELLPADDING=0 CELLSPACING=0>
<TR><TD>
<TABLE BGCOLOR='#FFFFFF' BORDER=0 CELLPADDING=5 CELLSPACING=1
WIDTH=500>
<TR><TD>
<CENTER>
<FONT FACE="Verdana,Arial" SIZE="-1"><B>
<INPUT TYPE="submit" VALUE="Return to On-Line Ticketing & Reservation Front Desk">
</B></FONT></CENTER>
</TD></TR></TABLE></TD></TR></TABLE></CENTER>
</FORM>
```

09595292 - 090299

</iCASE ALIAS="reserve">

</BODY>

</markup language>

which verifies and confirms payment information

End Figure 5

Docket No. 50277-2000

Please type a plus sign (+) inside this box → [X]

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DECLARATION FOR UTILITY OR DESIGN PATENT APPLICATION (37 CFR 1.63)

[X] Declaration Submitted with Initial Filing OR [ ] Declaration Submitted after Initial Filing (surcharge (37 CFR 1.16 (e)) required)

Attorney Docket Number	
First Named Inventor	Richard A. Halavais
COMPLETE IF KNOWN	
Application Number	/
Filing Date	
Group Art Unit	
Examiner Name	

As a below named inventor, I hereby declare that:

My residence, post office address, and citizenship are as stated below next to my name.

I believe I am the original, first and sole inventor (if only one name is listed below) or an original, first and joint inventor (if plural names are listed below) of the subject matter which is claimed and for which a patent is sought on the invention entitled:

Individual Seat Selection Ticketing and Reservation System

(Title of the Invention)

the specification of which
[X] is attached hereto
OR
[ ] was filed on (MM/DD/YYYY) [ ] as United States Application Number or PCT International Application Number [ ] and was amended on (MM/DD/YYYY) [ ] (if applicable).

I hereby state that I have reviewed and understand the contents of the above identified specification, including the claims, as amended by any amendment specifically referred to above.

I acknowledge the duty to disclose information which is material to patentability as defined in 37 CFR 1.56.

I hereby claim foreign priority benefits under 35 U.S.C. 119(a)-(d) or 365(b) of any foreign application(s) for patent or inventor's certificate, or 365(a) of any PCT international application which designated at least one country other than the United States of America, listed below and have also identified below, by checking the box, any foreign application for patent or inventor's certificate, or of any PCT international application having a filing date before that of the application on which priority is claimed.

Prior Foreign Application Number(s)	Country	Foreign Filing Date (MM/DD/YYYY)	Priority Not Claimed	Certified Copy Attached? YES	NO
			[ ]	[ ]	[ ]
			[ ]	[ ]	[ ]
			[ ]	[ ]	[ ]
			[ ]	[ ]	[ ]

[ ] Additional foreign application numbers are listed on a supplemental priority data sheet PTO/SB/02B attached hereto:

I hereby claim the benefit under 35 U.S.C. 119(e) of any United States provisional application(s) listed below.

Application Number(s)	Filing Date (MM/DD/YYYY)

[ ] Additional provisional application numbers are listed on a supplemental priority data sheet PTO/SB/02B attached hereto.

Burden Hour Statement: This form is estimated to take 0.4 hours to complete. Time will vary depending upon the needs of the individual case. Any comments on the amount of time you are required to complete this form should be sent to the Chief Information Officer, Patent and Trademark Office, Washington, DC 20231. DO NOT SEND FEES OR COMPLETED FORMS TO THIS ADDRESS. SEND TO: Assistant Commissioner for Patents, Washington, DC 20231.

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DECLARATION — Utility or Design Patent Application

I hereby claim the benefit under 35 U.S.C. 120 of any United States application(s), or 365(c) of any PCT international application designating the United States of America, listed below and, insofar as the subject matter of each of the claims of this application is not disclosed in the prior United States or PCT International application in the manner provided by the first paragraph of 35 U.S.C. 112, I acknowledge the duty to disclose information which is material to patentability as defined in 37 CFR 1.56 which became available between the filing date of the prior application and the national or PCT international filing date of this application.

U.S. Parent Application or PCT Parent Number	Parent Filing Date (MM/DD/YYYY)	Parent Patent Number *(if applicable)*

☐ Additional U.S. or PCT international application numbers are listed on a supplemental priority data sheet PTO/SB/02B attached hereto.

As a named inventor, I hereby appoint the following registered practitioner(s) to prosecute this application and to transact all business in the Patent and Trademark Office connected therewith: ☐ Customer Number [ ] → *Place Customer Number Bar Code Label here*

OR

☐ Registered practitioner(s) name/registration number listed below

Name	Registration Number	Name	Registration Number

☐ Additional registered practitioner(s) named on supplemental Registered Practitioner Information sheet PTO/SB/02C attached hereto.

Direct all correspondence to: ☐ Customer Number or Bar Code Label [ ] *OR* [X] Correspondence address below

Name	Richard A. Halavais				
Address	5100 E. La Palma Avenue				
Address	Suite 202				
City	Anaheim Hills	State	CA	ZIP	92807
Country	U.S.A.	Telephone	714-693-1171	Fax	714-693-3625

I hereby declare that all statements made herein of my own knowledge are true and that all statements made on information and belief are believed to be true; and further that these statements were made with the knowledge that willful false statements and the like so made are punishable by fine or imprisonment, or both, under 18 U.S.C. 1001 and that such willful false statements may jeopardize the validity of the application or any patent issued thereon.

Name of Sole or First Inventor: [X] A petition has been filed for this unsigned inventor

Given Name (first and middle [if any])	Family Name or Surname
Richard Arthur	Halavais

Inventor's Signature						Date	4/19/99
Residence: City	Anaheim Hills	State	CA	Country	U.S.A.	Citizenship	U.S.
Post Office Address	5100 E. La Palma Avenue						
Post Office Address	Suite 202						
City	x	State	CA	ZIP	92807	Country	U.S.A.

[X] Additional inventors are being named on the 1 supplemental Additional Inventor(s) sheet(s) PTO/SB/02A attached hereto

Please type a plus sign (+) inside this box → [X]

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DECLARATION

ADDITIONAL INVENTOR(S)
Supplemental Sheet
Page 1 of 1

Name of Additional Joint Inventor, if any:								[X] A petition has been filed for this unsigned inventor
Given Name (first and middle [if any])				Family Name or Surname				
Tony Cheng-Tong				Chung				
Inventor's Signature						**Date**	4/19/99	
Residence: City	Diamond Bar	**State**	CA	**Country**	U.S.A.	**Citizenship**	U.S.A.	
Post Office Address	2035 Viento Verano Drive							
Post Office Address								
City	Diamond Bar	**State**	CA	**ZIP**	91765	**Country**	U.S.A.	

Name of Additional Joint Inventor, if any:								[ ] A petition has been filed for this unsigned inventor
Given Name (first and middle [if any])				Family Name or Surname				
Inventor's Signature						**Date**		
Residence: City		**State**		**Country**		**Citizenship**		
Post Office Address								
Post Office Address								
City		**State**		**ZIP**		**Country**		

Name of Additional Joint Inventor, if any:								[ ] A petition has been filed for this unsigned inventor
Given Name (first and middle [if any])				Family Name or Surname				
Inventor's Signature						**Date**		
Residence: City		**State**		**Country**		**Citizenship**		
Post Office Address								
Post Office Address								
City		**State**		**ZIP**		**Country**		

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DECLARATION -- Supplemental Priority Data Sheet

Additional foreign applications:

Prior Foreign Application Number(s)	Country	Foreign Filing Date (MM/DD/YYYY)	Priority Not Claimed	Certified Copy Attached? YES	NO
			☐	☐	☐
			☐	☐	☐
			☐	☐	☐
			☐	☐	☐
			☐	☐	☐
			☐	☐	☐
			☐	☐	☐
			☐	☐	☐
			☐	☐	☐
			☐	☐	☐
			☐	☐	☐
			☐	☐	☐
			☐	☐	☐
			☐	☐	☐

Additional provisional applications:

Application Number	Filing Date (MM/DD/YYYY)

Additional U.S. applications:

U.S. Parent Application Number	PCT Parent Number	Parent Filing Date (MM/DD/YYYY)	Parent Patent Number *(if applicable)*

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REGISTERED PRACTITIONER INFORMATION (Supplemental Sheet)

Name	Registration Number	Name	Registration Number

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